reads

...AGCCATG...

...AGATACA...

...AGATACA...

words from the reads

AGATACA
  GATACAG   TACAGCC   AGCCATG
    ATACAGC   ACAGCCA CAGCCAT

...

word graph (de Bruijn graph)

AGATACA → GATACAG → ATACAGC → TACAGCC → ACAGCCA → CAGCCAT → AGCCATG

Overlap graph from the reads

...AGATACA...

...AGATACA...

...AGATACA...

AGATACA → GATACAG → ATACAGC → TACAGCC → ACAGCCA → CAGCCAT → AGCCATG

GATACAG   ATACAGC   ACAGCCA → CAGCCAT

                 ATACAGC